

NAVAL TECHNICAL TRAINING COMMAND

STUDENTS GUIDE

for

SH-3 COMMUNICATION/NAVIGATION SYSTEMS ORGANIZATIONAL MAINTENANCE COURSE

SECTION I (INFORMATION SHEETS)

SECTION IV (DIAGRAMS)

C-102-3403



NOT AUTHORIZED FOR
USE IN MAINTENANCE
WORK CENTERS

CNTT N6373D (9-83)

NAVAL AIR MAINTENANCE TRAINING GROUP
For Training Purposes Only

NAVAL AIR MAINTENANCE TRAINING GROUP

STUDENT INFORMATION SHEETS

FOR

SH-3 COMMUNICATION/NAVIGATION SYSTEMS
ORGANIZATIONAL MAINTENANCE COURSE

C-102-3403

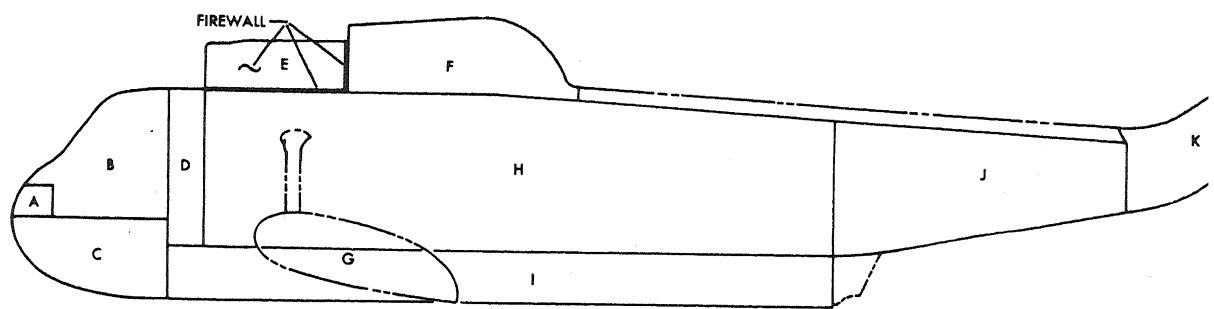
SECTION I

DATE: OCTOBER 1981

(FOR TRAINING PURPOSES ONLY)

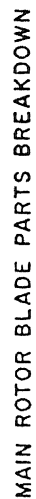
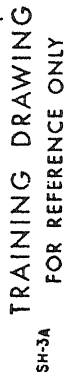
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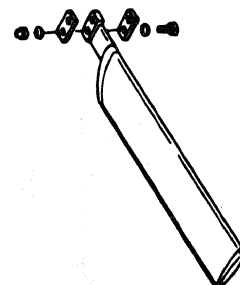
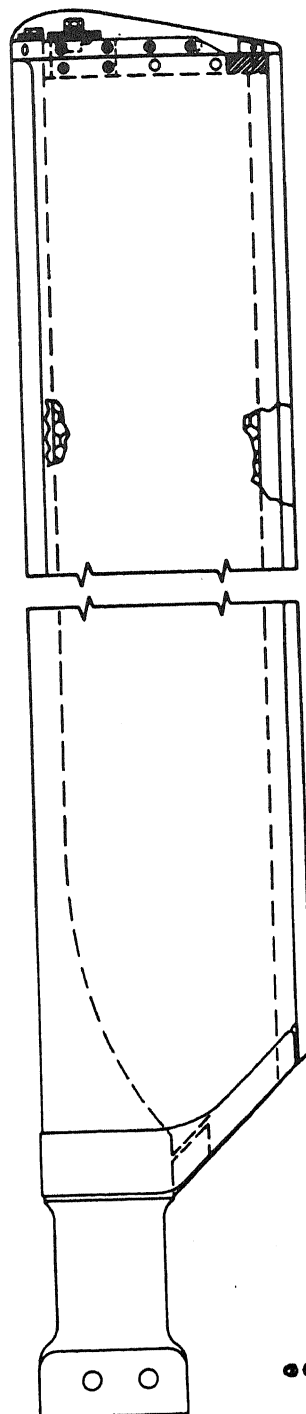
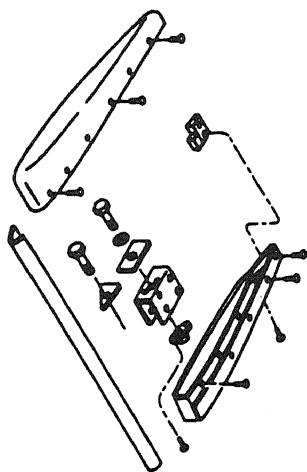
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| A BATTERY COMPARTMENT | F TRANSMISSION COMPARTMENT |
| B COCKPIT | G SPONSON AND STRUT |
| C ELECTRONICS COMPARTMENT | H CABIN |
| D HEATER AND ASE CONTROLS COMPARTMENTS | I BOTTOM STRUCTURE |
| E ENGINE COMPARTMENT | J AFT FUSELAGE |
| | K PYLON |

SH-3A COMPARTMENTATION
(Major Sections)





STANDARD BLADE



TRAINING DRAWING
94-34 FOR REFERENCE ONLY

TAIL ROTOR BLADE ASSEMBLY

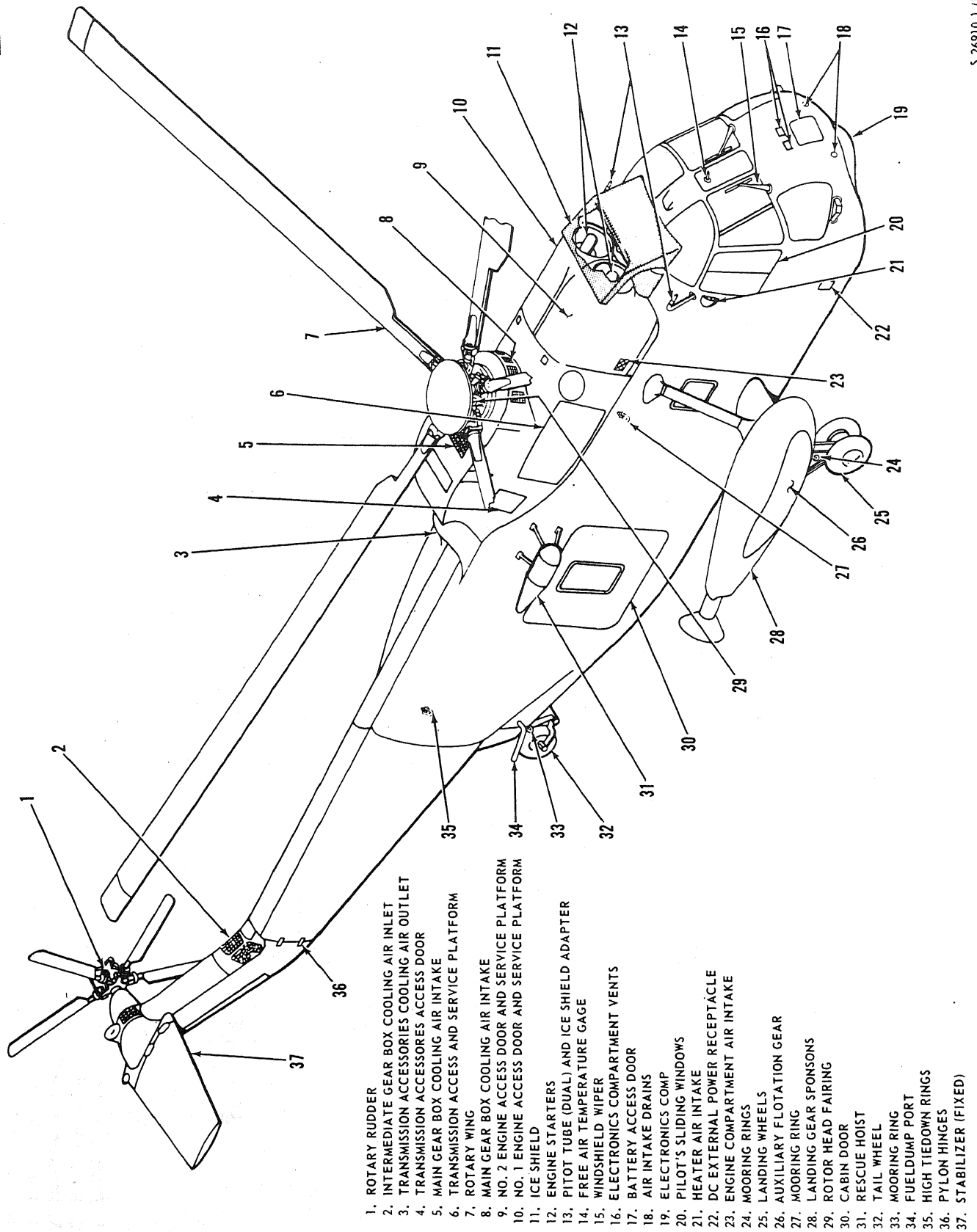
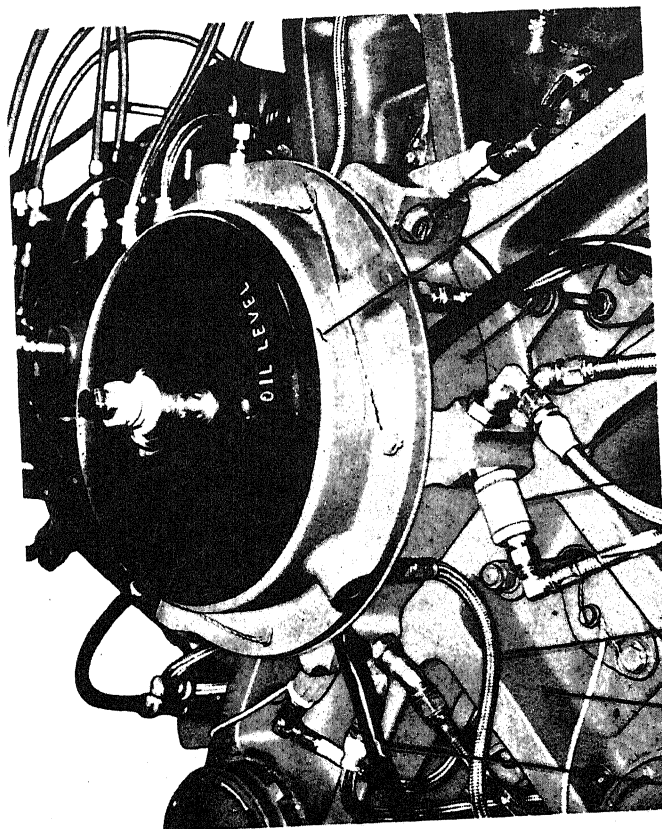


Figure 1-1. General Arrangement - Exterior

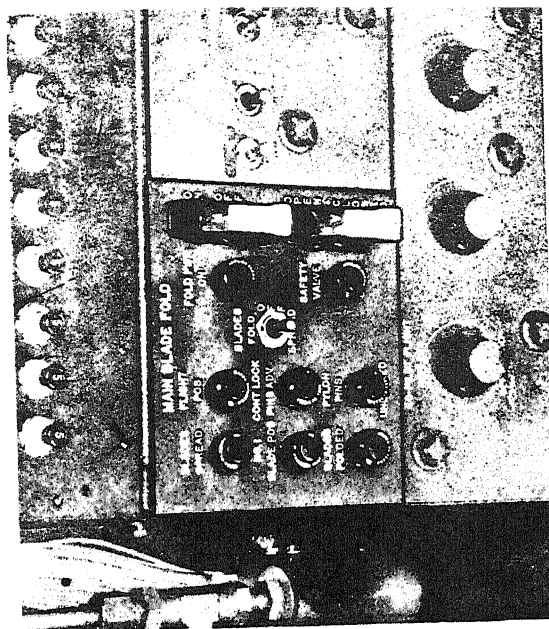
BLADE FOLD DISTRIBUTION MANIFOLD



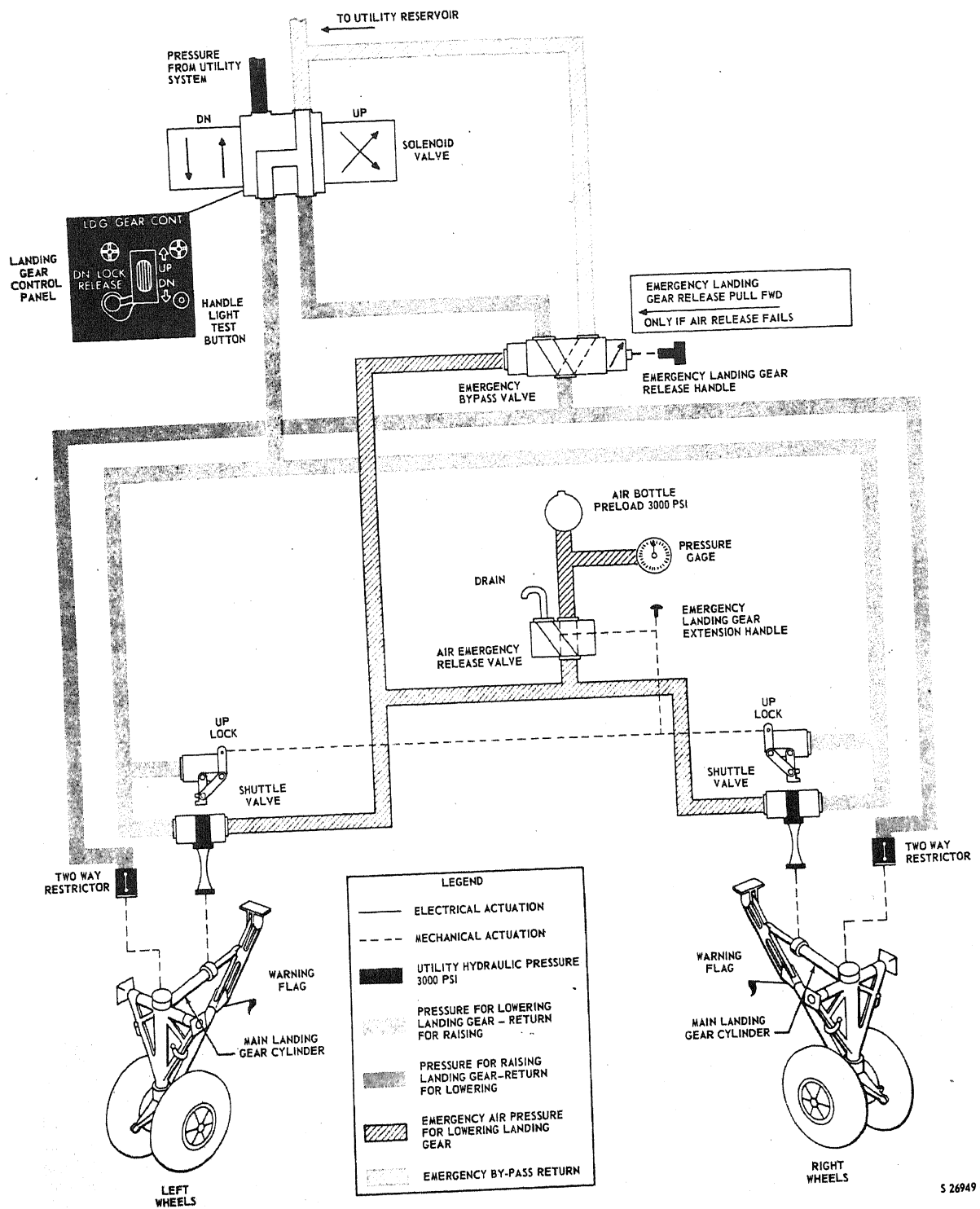
1. Blade Fold Electrical Wiring
2. Rotary Wing Hub
3. Damper Hydraulic Line
4. Positioner Hydraulic Pressure Line
5. Positioner Snubber Valve

1 2 3 4 5 6 7 8 9 10

6. Fold Pressure-Spread Return Line
7. Spread Pressure-Fold Return Line
8. Manifold
9. Fluid Tank
10. Manifold Shuttle Valve



Blade Fold Control Panel



S 26949 (R1)

Landing Gear Hydraulic System

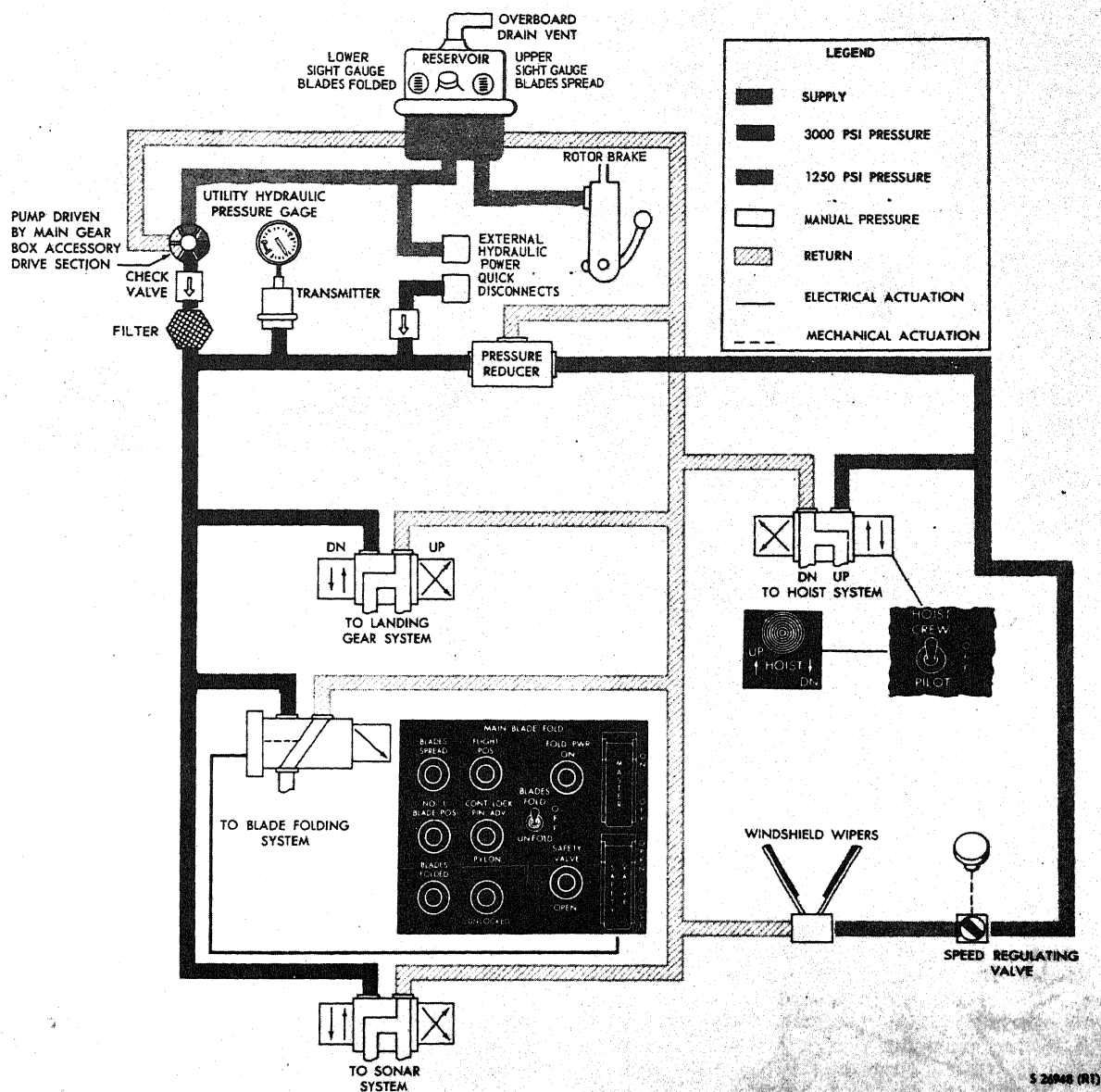
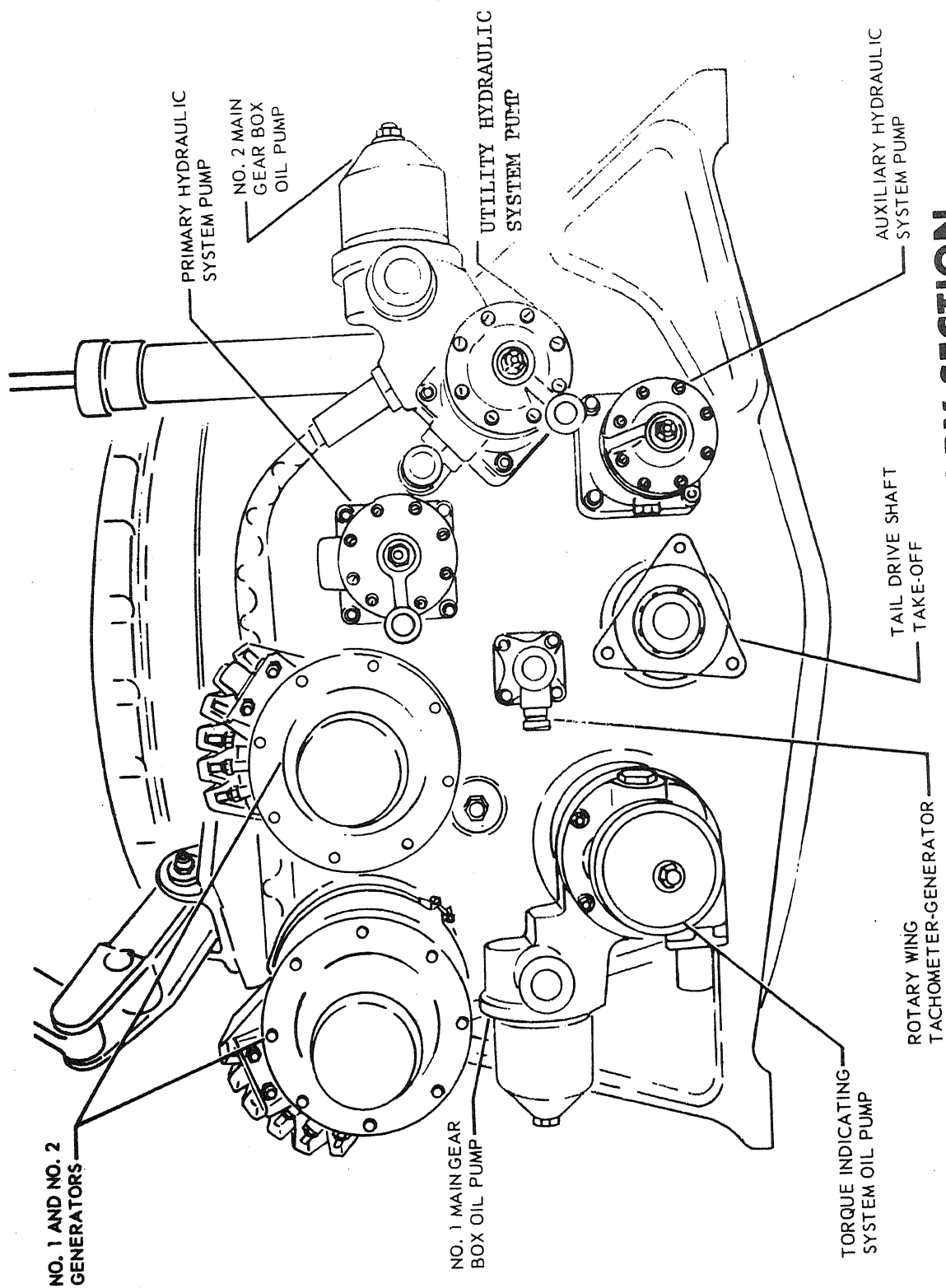
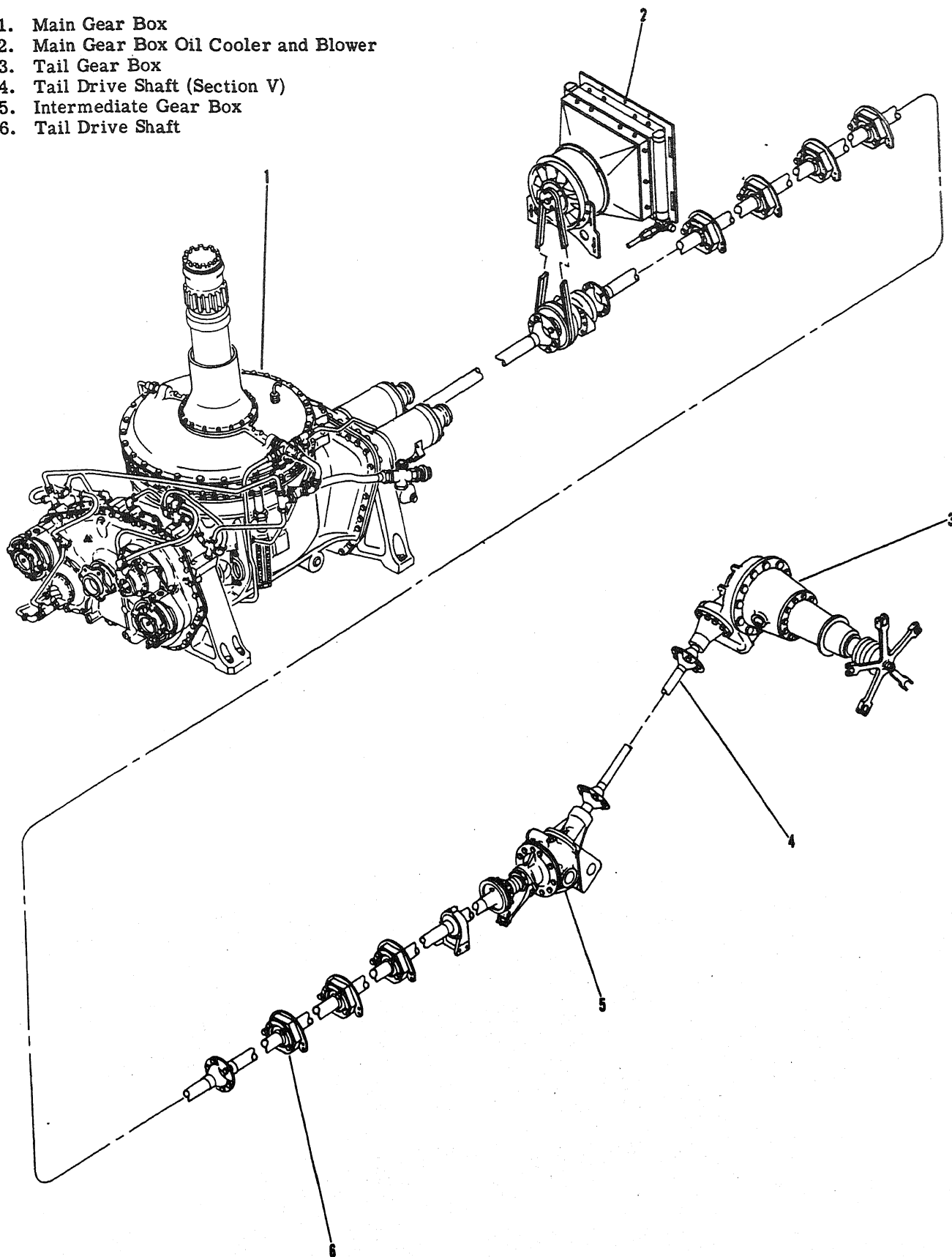


Figure 1-42. Utility Hydraulic System

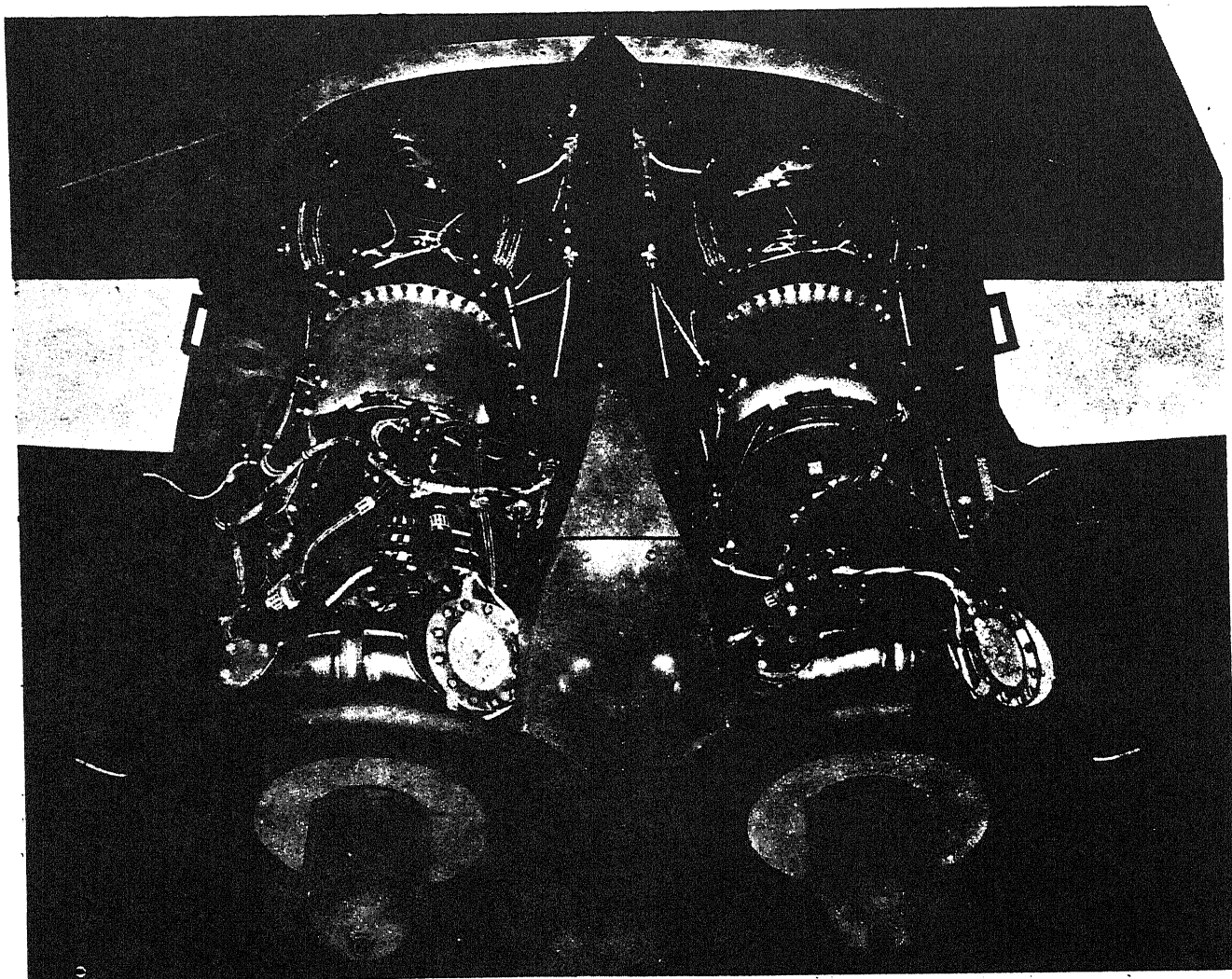


MAIN GEAR BOX ACCESSORY SECTION

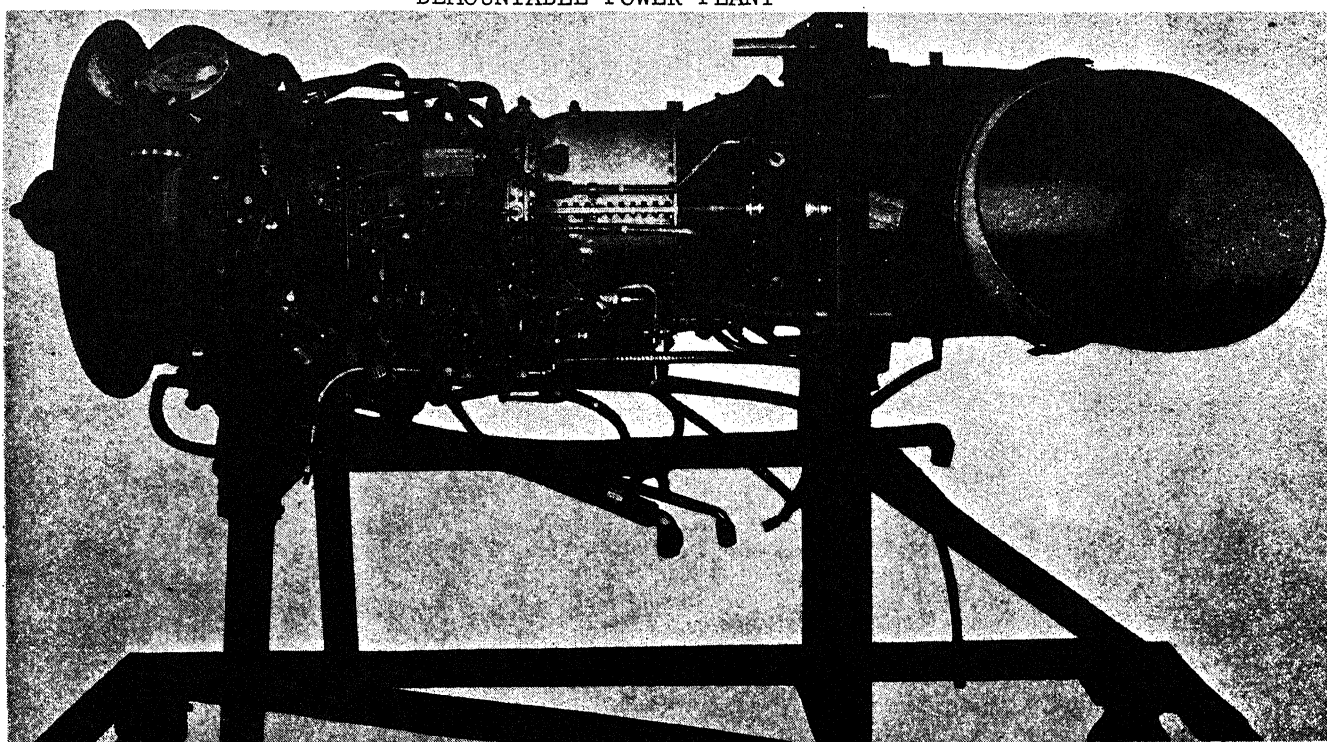
1. Main Gear Box
2. Main Gear Box Oil Cooler and Blower
3. Tail Gear Box
4. Tail Drive Shaft (Section V)
5. Intermediate Gear Box
6. Tail Drive Shaft

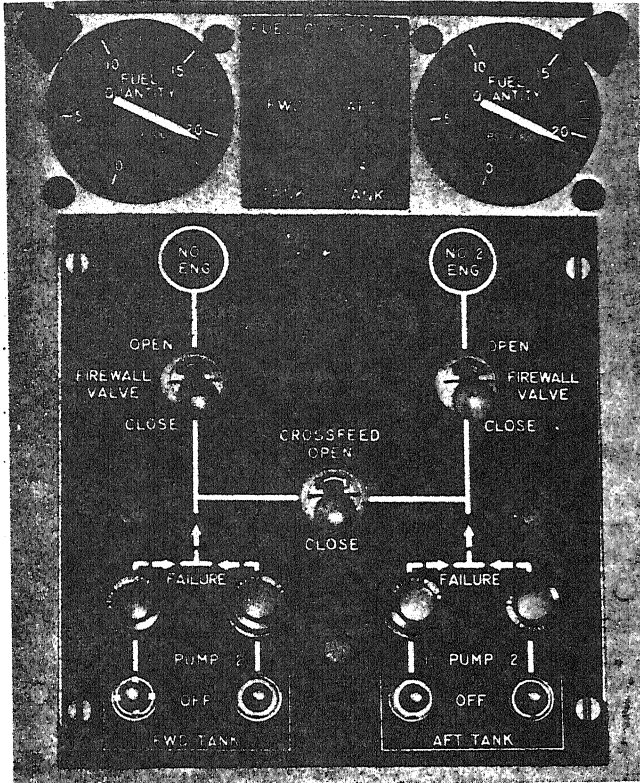


Transmission System

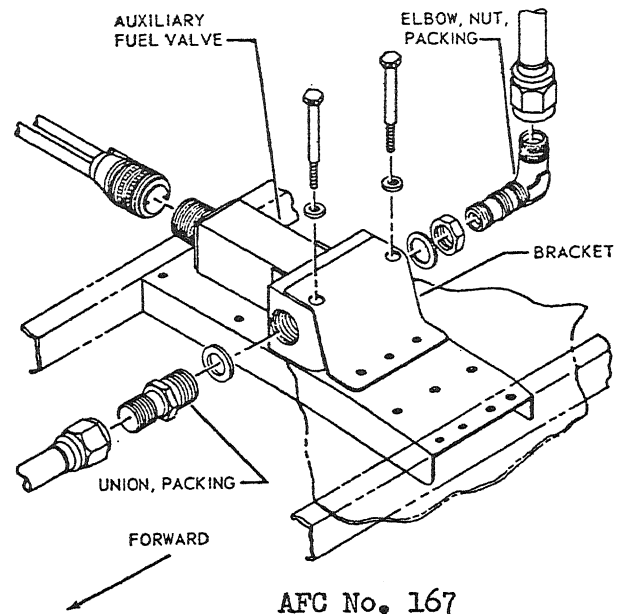


POWER PLANTS INSTALLED
DEMOUNTABLE POWER PLANT



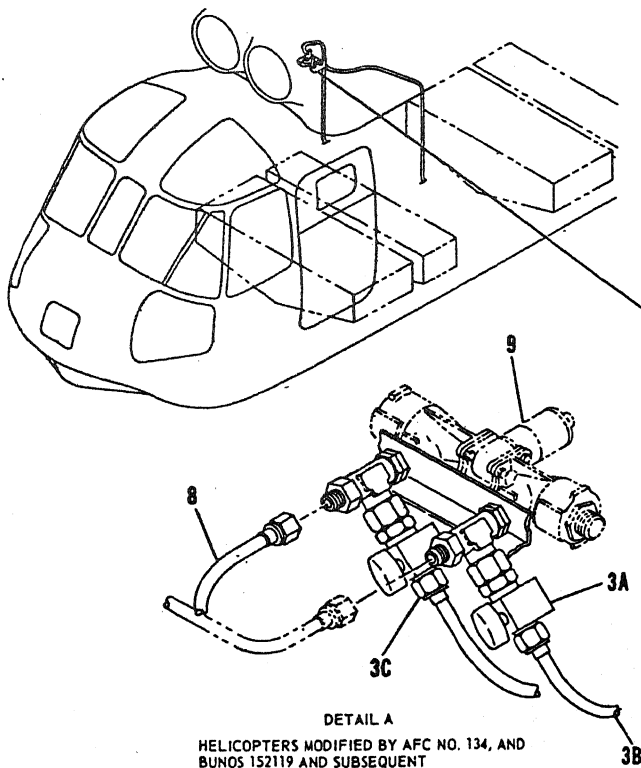


Fuel Management Panel



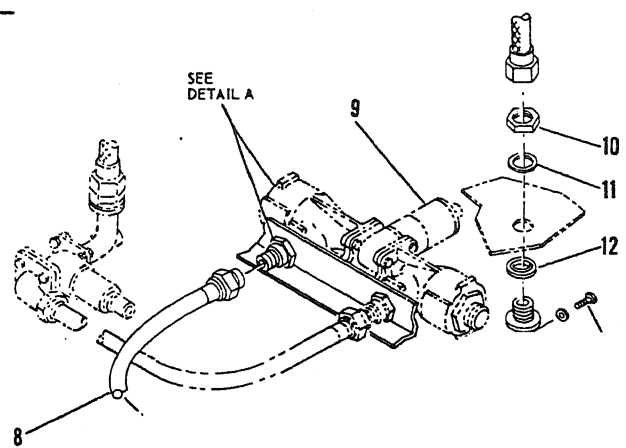
AFC No. 167

Auxiliary Fuel Valve



DETAIL A

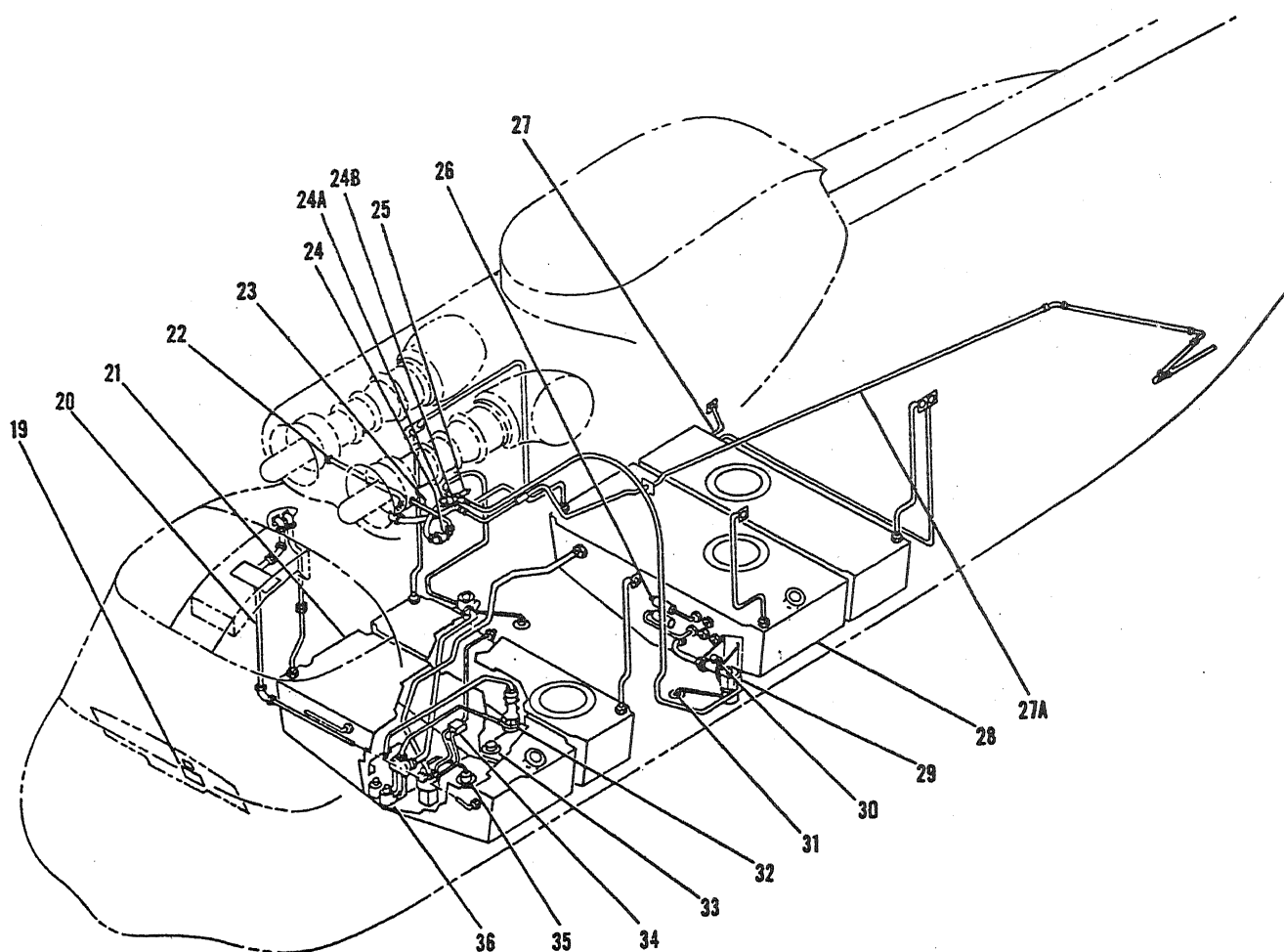
HELICOPTERS MODIFIED BY AFC NO. 134, AND
BUNOS 152119 AND SUBSEQUENT



1. Bolt, Washers
2. Bolt, Washer, Nut
3. Fitting
- *3A. Manual Off-Loading Valve
- *3B. Tube
- *3C. Manual Off-Loading Valve
- *4. Fire Wall Valve, Packing

■ *Helicopters Modified by AFC No. 134

Firewall Valve

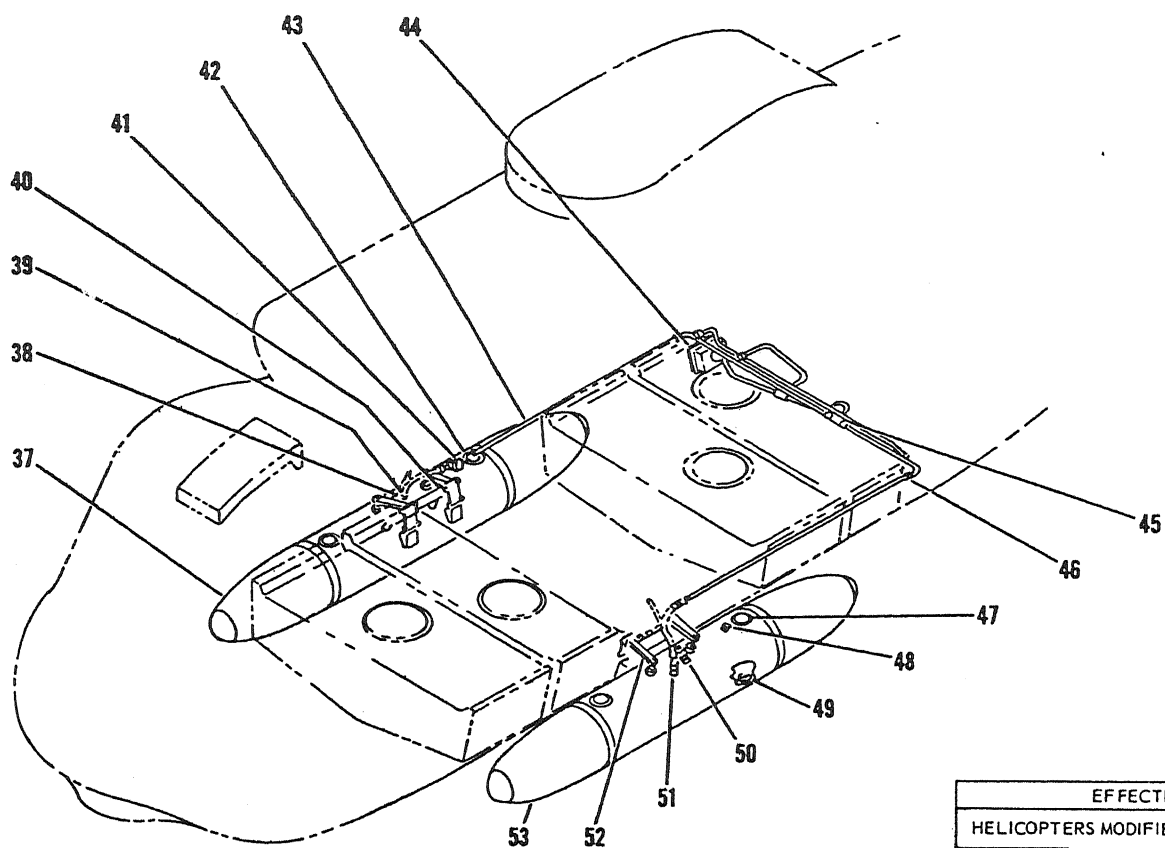


EFFECTIVITY
BUNOS 149679 AND SUBSEQUENT

- | | |
|-------------------------------------|-----------------------------------|
| 19. Fuel Management Panel | 27. Fueling and Defueling Adapter |
| 20. Fuel Vent System | *27A. Fuel Off-Loading System |
| 21. Forward Fuel Tank | 28. Aft Fuel Tank |
| 22. Fuel Supply Line (No. 2 Engine) | 29. Filter |
| 23. Fuel Supply Line (No. 1 Engine) | 30. Manual Shut-Off Valve |
| 24. Firewall Shut-Off Valves | 31. Filter Drain Valve |
| *24A. Manual Off-Loading Valve | 32. Fuel Ejector Unit |
| *24B. Manual Off-Loading Valve | 33. Drain Valve (Cell Sump) |
| 25. Crossfeed Valve | 34. High Level Shut-Off Valve |
| 26. Pressure Switches | 35. Low Level Shut-Off Valve |
| | 36. Booster Pump |

*Helicopters Modified by AFC No. 134 and Bu Nos 152119 and Subsequent

Fuel System



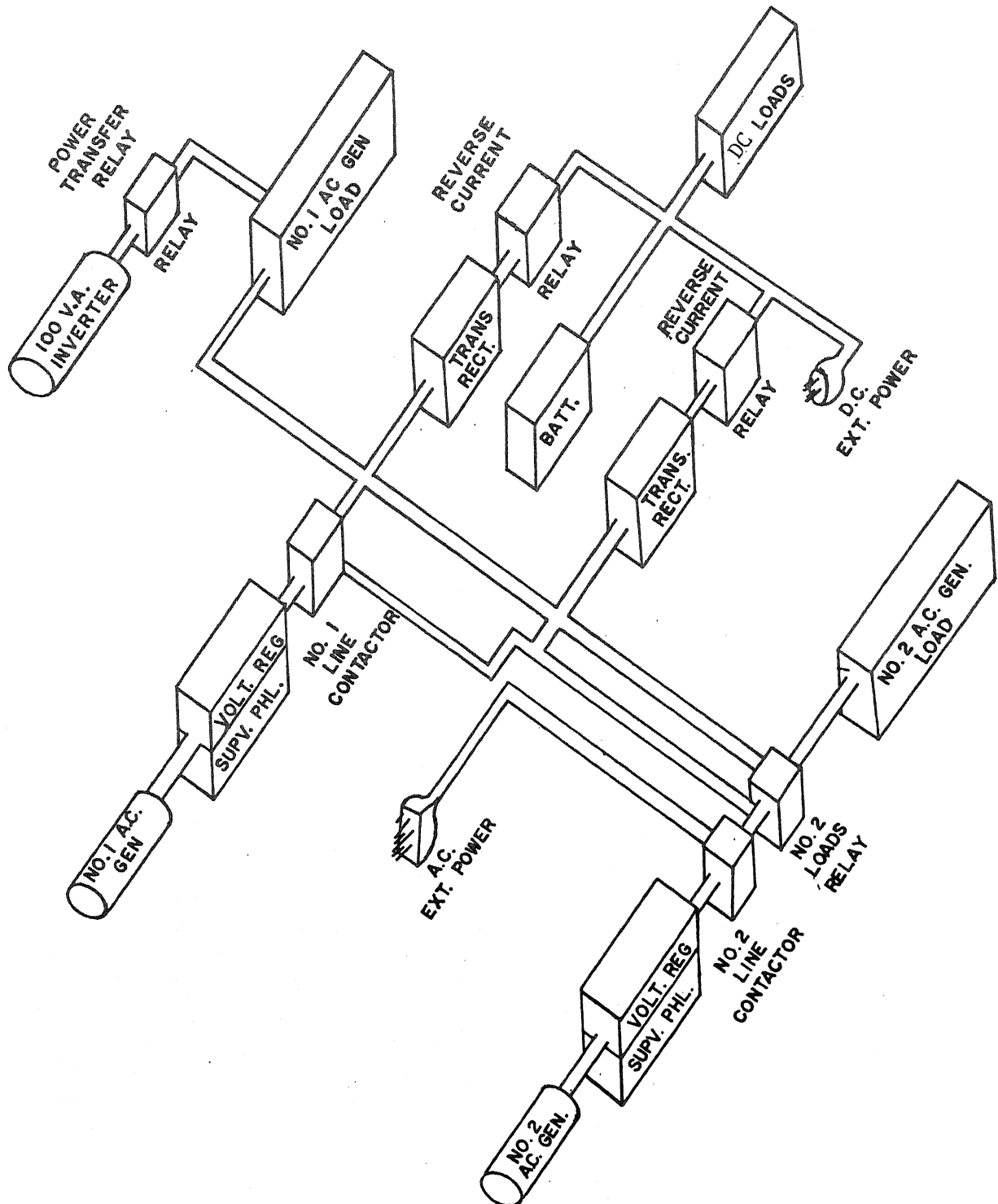
EFFECTIVITY
HELICOPTERS MODIFIED BY AFC NO. 203

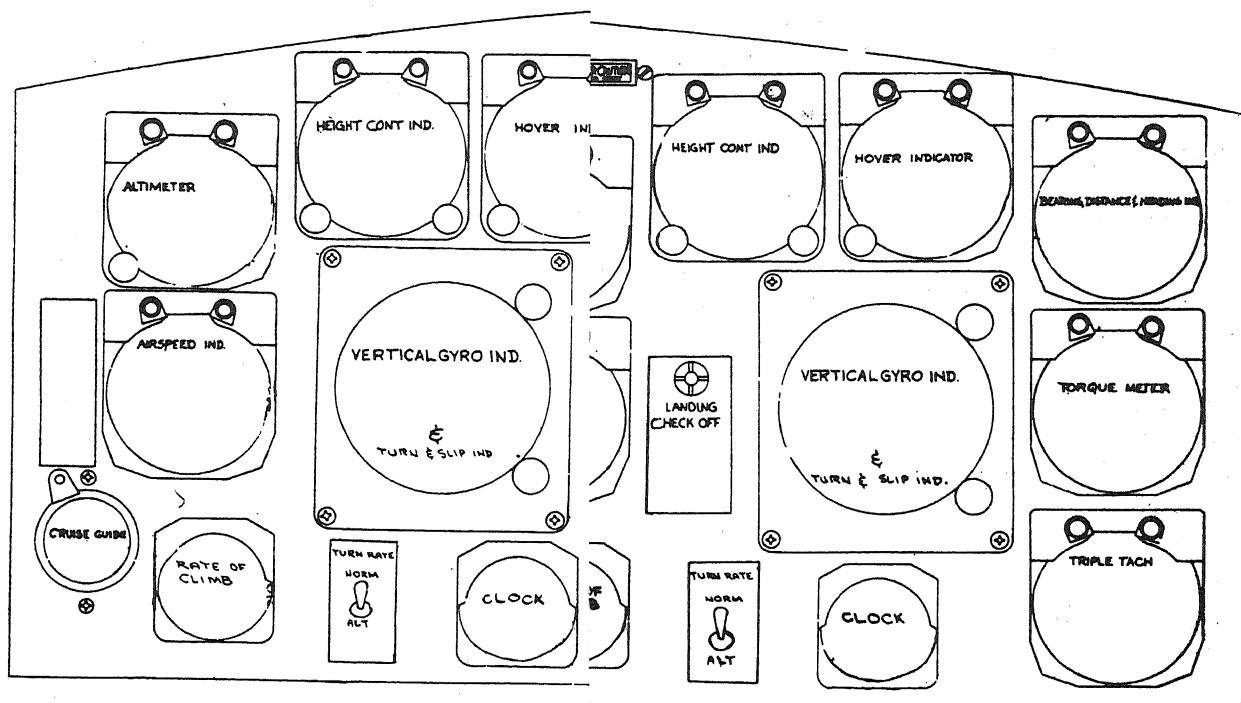
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|--|------------------|
| 37. Auxiliary Fuel Tank | 45. Check Valves |
| 38. Electrical Quick-Disconnect Coupling | 46. |
| 39. Fuel Quick-Disconnect Coupling | |
| 40. Launcher Assembly | |
| 41. Tank Vent | |
| 42. Filler Cap | |
| 43. Fuel Transfer Line | |
| 44. Fuel and Defueling Adapter | |

**Auxiliary
Fuel System**

ELECTRICAL POWER

SH3 POWER DISTRIBUTION





SH-3D **TRAINING DRAWING**
FOR REFERENCE ONLY

